	Application No.	Applicant(s)
Notice of Allowability	09/685,885	JOHNSON, ANDERS
	Examiner	Art Unit	
	Ponnoreay Pich	2135	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *4/17/2006*.

2. ☒ The allowed claim(s) is/are *1-3, 5-10, 13-15, 17-19, 21-27 and 29-33*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

DETAILED ACTION

Claims 1-3, 5-10, 13-15, 17-19, 21-27, and 29-33 are pending. Applicant's amendments and arguments were fully considered. Applicant's arguments for claims 1, 15, and 25 were found to be persuasive. The claims are allowed because of applicant's amendments to claim 1 and because applicant's arguments to claims 1, 15, and 25 were found to be persuasive in overcoming the prior art.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Majid S. AlBassam on 7/7/2006. The amendments are to overcome possible 101 rejections; 112, second paragraph rejections; and minor objections to the claims (keep usage of "the" and "said" consistent in claim 15 when referring to "means for generating"). As per MPEP 713.04 a separate interview summary form is not provided with this Office Action because the interview summary is provided herein.

The application has been amended as follows:

PLEASE AMEND THE FOLLOWING CLAIMS AS FOLLOWS:

Claim 1 (currently amended):

An apparatus for enabling functionality of a component, said apparatus comprising:

a random number generating module for generating a random number;

a hash function module in communication with said random number generating module, wherein said random number generating module comprises a linear feedback shift register and a ring oscillator in communication with said hash function module, the linear feedback shift register being configured to output a random number;

a host in communication with said random number generating module, said host being configured to receive a guess passcode from a manufacturer of the component;

at least one memory in communication with said host;

an encryption module in communication with said at least one memory; and

a comparing device in communication with said encryption module and said hash function module,

wherein said at least one memory further comprises

a guess register in communication with said host and said encryption module, said guess register being configured to receive a guess passcode from said host, and

a public key module in communication with said encryption module, said public key module being configured to store a public key therein,

wherein said comparing device compares a first bit string to a second bit string to generate a function enable output to for the component, which enables functionality of the component, and

wherein the first bit string comprises a ciphertext bit string generated by

the encryption module and the second bit string comprises a hash value

generated by the hash function module.

Claim 15 (currently amended):

A component for selectively enabling functionality of an electronic device, said

component comprising:

means for generating a random bit string, ~~the~~ <u>said</u> means for generating

comprising a random number generating module configured to receive an initiate signal

and output a random number, and ~~the~~ <u>said</u> means for generating further comprising a

linear feedback shift register, having an input and an output, and a ring oscillator;

a hash function module in communication with said means for generating;

means for acquiring a guess passcode in communication with said means for

generating, said means for acquiring being configured to acquire the guess passcode

from a manufacturer of the electronic device;

an encryption module in communication with said means for acquiring; and

a comparing device in communication with said encryption module and said hash

function module, said comparing device having an output for transmitting a functionality

enable signal, <u>which causes functionality of the electronic device to be enabled;</u>

wherein said encryption module further comprises

a public key encryption module, and

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a public key module in communication with said public key encryption

module, wherein said public key encryption module is configured to receive a

public key from said public key module and a guess passcode from said means

for acquiring, and generate a ciphertext bit string therefrom.

Claim 25 (currently amended):

A method for enabling functionality of an electronic component, said method

comprising the steps of:

generating a random number, wherein said step of generating a random number

further comprises the steps of receiving an initiate signal at a random number

generating module and outputting a the random number, wherein the random number

generating module comprises a linear feedback shift register and a ring oscillator;

calculating a first bit string from the random number;

determining a second bit string corresponding to the random number;

encrypting the second bit string with a public key to generate a third bit string;

comparing the third bit string to the first bit string to determine a match; and

outputting a function enable signal in accordance with the comparison, the

function enable signal enabling the functionality of the electronic component,

wherein said encrypting step further comprises the steps of

receiving a guess passcode from a host,

receiving a public key, and

encrypting the guess passcode ~~and~~ with the public key to generate a

ciphertext bit string, and

wherein the step of determining the second bit string comprises receiving the

second bit string from a manufacturer of the electronic component.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Ponnoreay Pich whose telephone number is 571-272-

7962. The examiner can normally be reached on 9:00am-4:30pm Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Kim Vu can be reached on 571-272-3859. The fax phone number for the

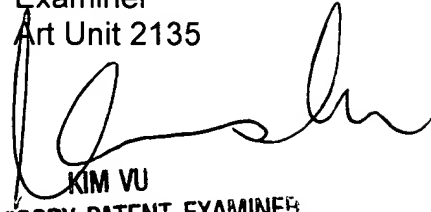organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Ponnoreay Pich
Examiner
Art Unit 2135

PP

KIM VU
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100